UBF ENCODER USER MANUAL

PRODUCT INTRODUCTION

UBFEncoder is a product developed by UBFSoft that encrypts your codes written in php language. It secures your codes by providing unique encryption with unique encryption and code minimization algorithms. As UBFSoft, we have gathered our long years of experience in data encryption under UBFEncoder for this purpose.

COMPANY INTRODUCTION

© 2019 - 2024 UBF SOFT INCORPORATED COMPANY has been working mainly in system programming since 2019. In addition to providing infrastructure and performance solutions to many projects, it continues to work to produce its own original projects. Our company continues its activities in Sakarya Technology Development Zone within the scope of R&D activities. For more information about our company, please visit www.ubfsoft.com.

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INSTALLATIONS

The UBFEncoder application consists of two elements, Encoder and Loader. With Encoder Desktop Application you encrypt the files of your project. The Loader application, on the other hand, provides the decryption and execution of encrypted php files with ".dll", ".so" extension files as php plugin (Windows, linux).

INSTALLATION OF UBF ENCODER APPLICATION

Encoder, a Windows Desktop Application, is very simple to install and you can download and install it from https://www.ubfencoder.com/Downloads. After the application is installed, you can encrypt as a 15-day trial version. After the purchase, license information must be entered to activate the application.

You can see your license information in the Detail section of the product you purchased from https://www.ubfencoder.com/MyProducts. Again, when you want to move your license to another device, you can move your application to another device by Unregistering. In this case, you need to register again on the new device.

You can use the UBF Encoder application as licensed by entering the license information and access key of your product from the Settings menu on the UBFEncoder Desktop application.
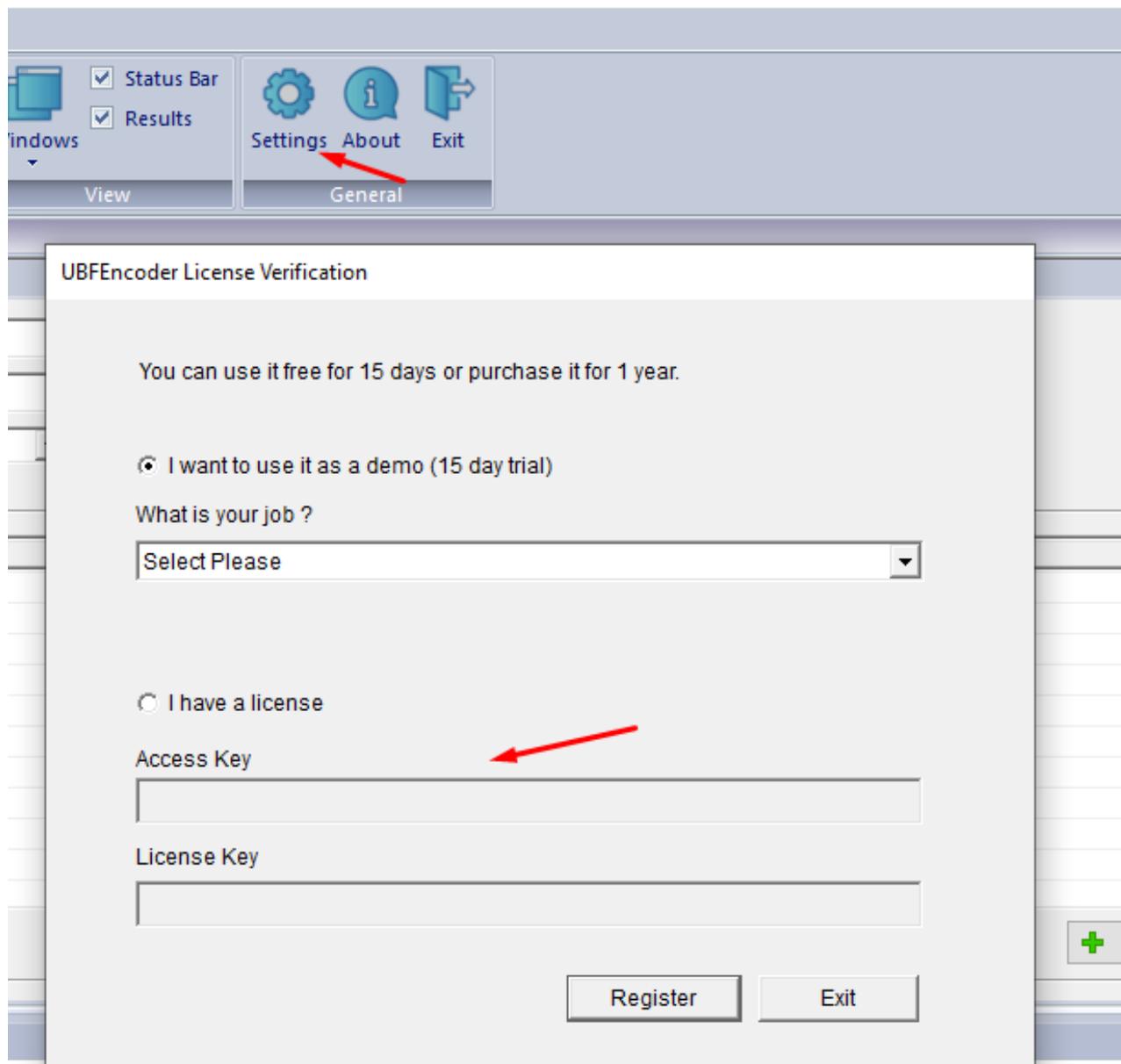
INSTALLATION OF UBF ENCODER LOADER PLUGIN

On Windows and Linux platforms, it must be defined in the php.ini file as a dll or so extension plugin file for php. You can visit https://www.ubfencoder.com/Downloads for loader files to be installed.

For the plugin file you will install, it is important that the php version is compatible, whether php is Thread Safe or Non Thread Safe and 32 / 64 bit compile status.

To check which Loader file to load, you can check the relevant phpinfo output in the image below.

The file names of the UBFEncoder loader plugins are organized so that you install the correct loader plugin. The loader plugin selected in red below shows the correct file that matches the phpinfo output in the image above.

ubfencoder7-4-x64.dll : PHP 7.4.X versions 64 bit

ubfencoder7-4-x64ts.dll : 64-bit Thread Safety in PHP 7.4.X versions

ubfencoder7-4-x86.dll : PHP 7.4.X versions 32 bit

ubfencoder7-4-x86ts.dll : 32-bit Thread Safety in PHP 7.4.X versions

After determining which loader file will be loaded, you can complete the loader definition process by making an addition in the php.ini extension file seen in the phpinfo output.

```
extension=pdo_mysql
;extension=pdo_oci
;extension=pdo_odbc
;extension=pdo_pgsql
extension=pdo_sqlite
;extension=pgsql
;extension=shmop
extension=ubfencoder7-4-x64ts.dll
```

Finally, you just need to copy the specified loader file to the folder named ext in the folder where php itself is located. Now you can start or restart your web server and see that the UBFEncoder loader plugin has been successfully installed in the phpinfo output as in the picture below.

UBFEncoder

UBFEncoder Loader	Description
Company	UBF SOFT INC.
Build Date	Sep 15 2024
Version	1.0.0
Website	www.ubfencoder.com
Support	support@ubfencoder.com
Description	PHP source code decryption module

The loader installation for Windows and Linux platforms is the same. The only difference is in the extensions of the loader files. The extension of the files for Windows is ".dll" and the extension of the files for Linux is ".so".

HOW TO USE UBF ENCODER APPLICATION

Below you can find a picture of the UBF Encoder application. You can create a project for encryption on the application. With the project you create, all the relevant settings for your php project are kept. Thus, it is possible to make configurations for different projects.
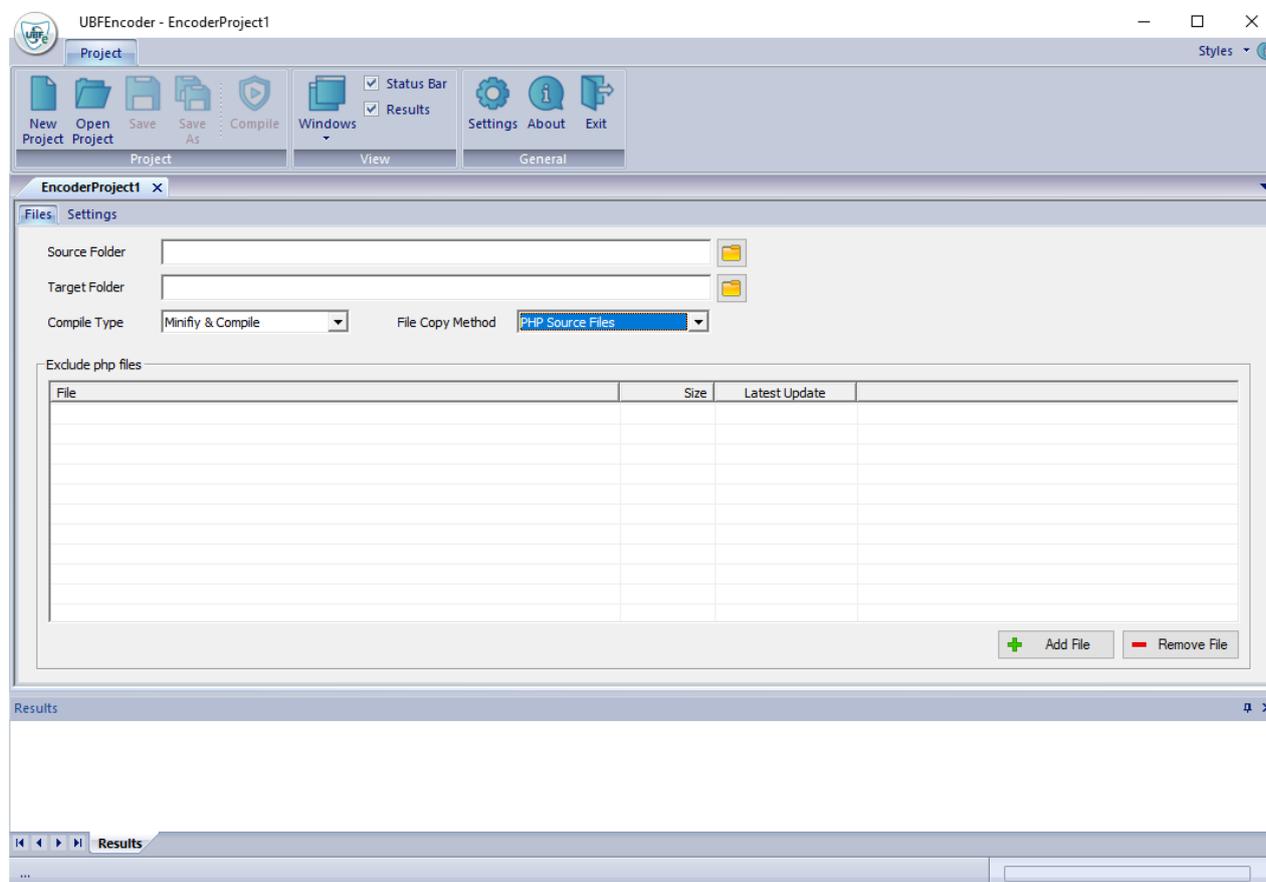
There are two tab options for each project, Files and Settings. The Files tab contains settings related to your project's files and encryption methods. The Settings tab contains your project's runtime filters and custom settings.

Files Tab Features

Source Folder : To select the folder where the unencrypted source files of your project are located.

Target Folder : You need to select the folder where the encrypted files of your project will be transferred.

Note: Source folder and Target folder should be different folders to avoid corrupting your source files.

Compile Type : UBF Encoder has both encryption and code minify features. If you wish, you can minify your php source codes only with the code minify feature without encryption. By default, code minification and encryption are selected to be done at the same time.

File Copy Method : During the encryption phase, you may want to copy the php files or all files in your project. At this stage, the php files that make up your project will be encrypted and copied to the destination folder as well as all other files.

Exclude php files : You may not want this list to encrypt some of your php files that make up your project. For such a need, you can selectively add your php files that you do not want to encrypt to this list.

Settings Tab Features

Domain Restriction : As you can see in the picture below, you should add to this list which domain or sub domains you want your project to run in. You can include sub domain states with the * character. Or you can only enter a specific domain or sub domain name exactly. Adding any domain or sub domain in this list means that your project will not run encrypted files outside of these domains.
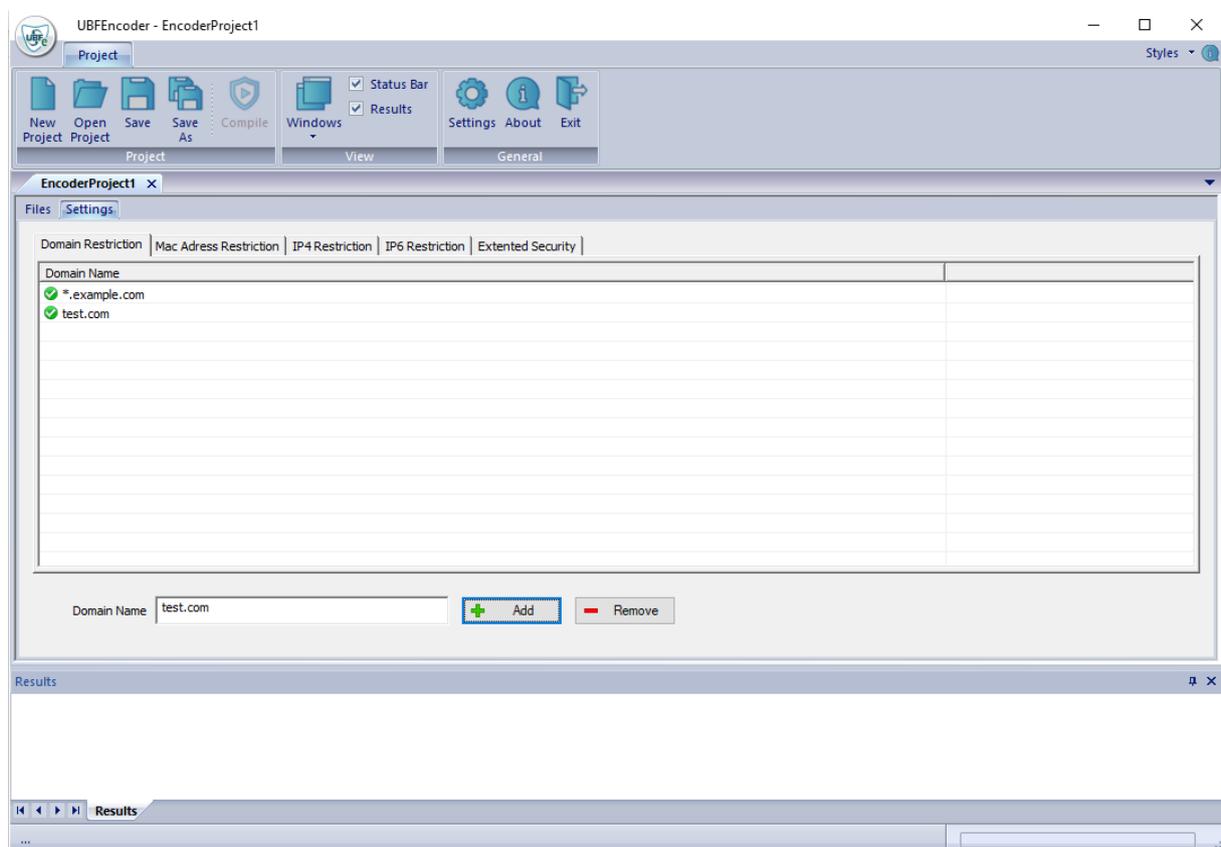
MAC Address Restriction : As you can see in the picture below, you can force the encrypted version of your project to run on devices with the corresponding mac address. Therefore, you allow it to run on one or more devices. If any mac address is entered in this list, it means that the encrypted files of your project will not work on any other device other than this mac address or addresses.
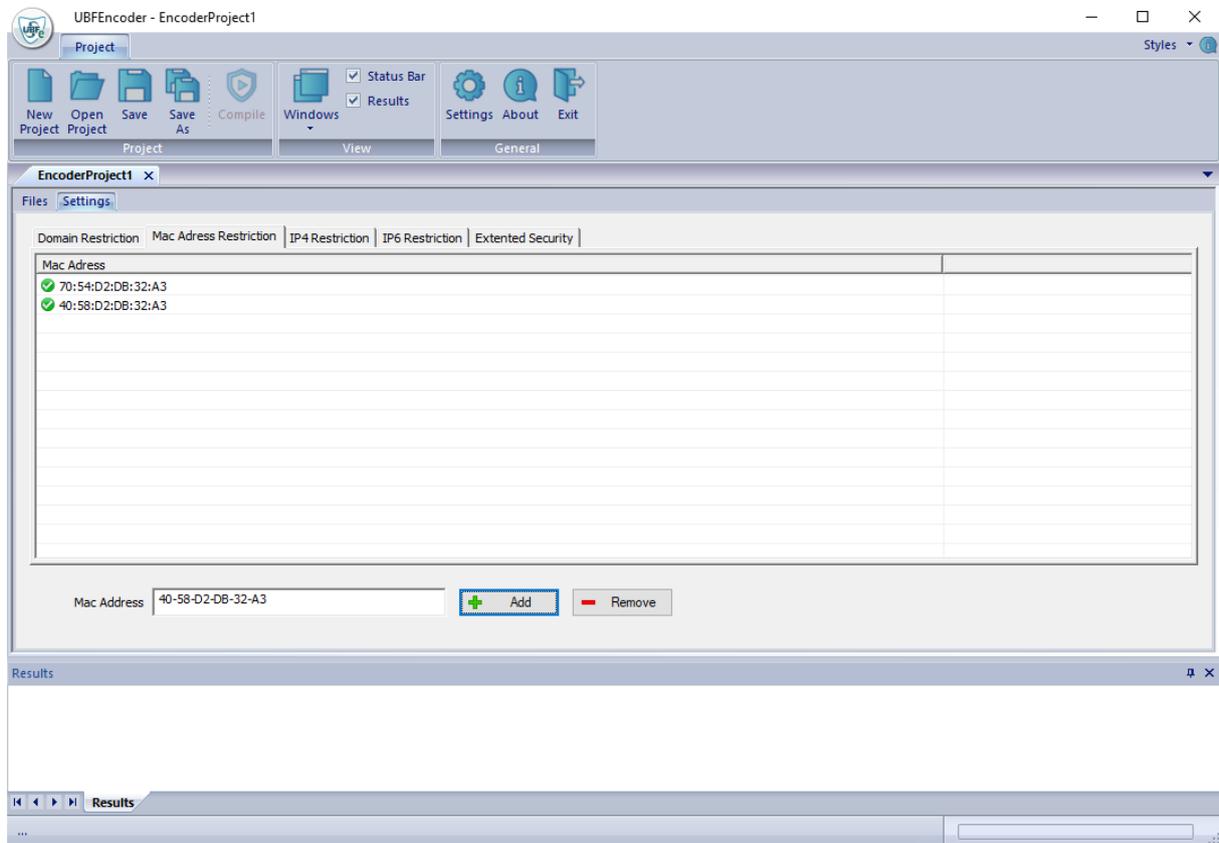
IP4 Restriction : As you can see in the picture below, you can force the encrypted version of your project to run on the computer with the relevant IP4 address. Entering any IP4 address in this list will ensure that your project will not work with any other IP4 address. For the public IP information of the servers, you need to make settings for SERVER_ADDR and LOCAL_ADDR on your web server. For this, you may need to configure the config operations of your web server.
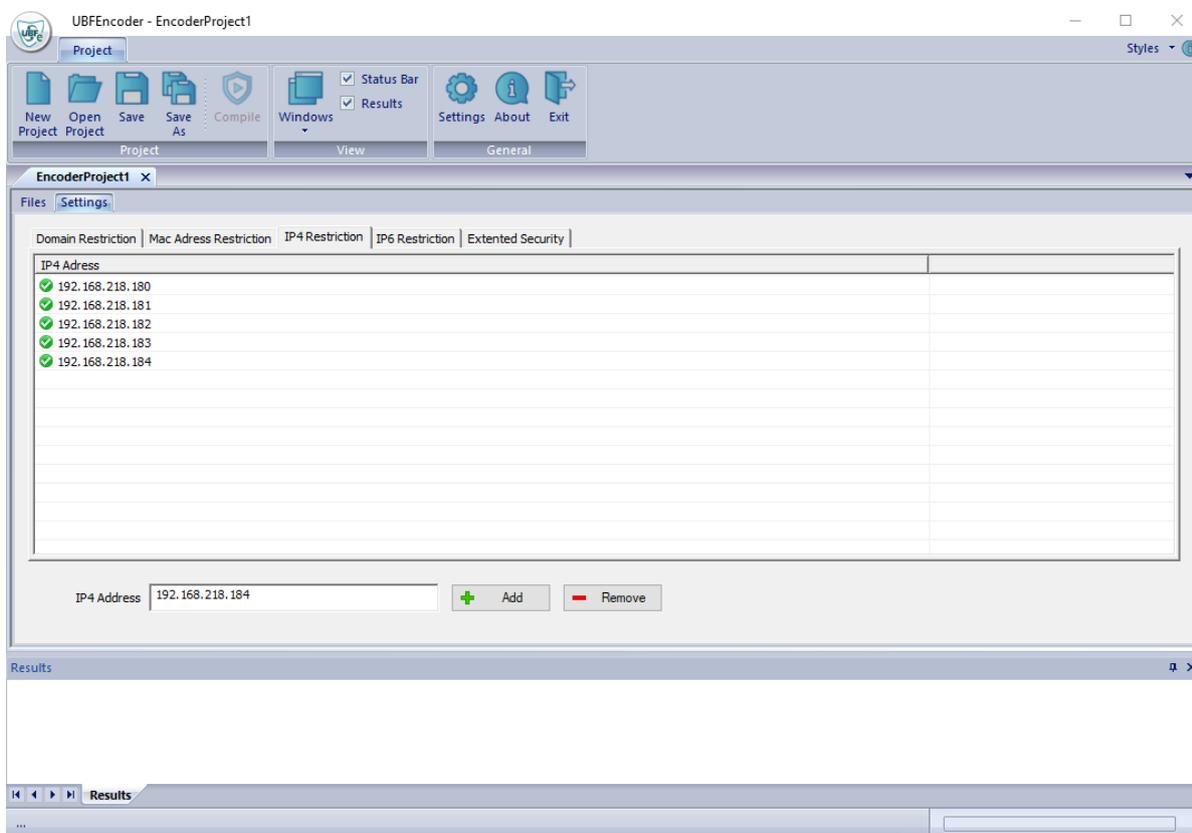
IP6 Restriction : You can force the encrypted version of your project to run on the computer with the corresponding IP6 address. Entering any IP6 address in this list will ensure that your project will not work with any other IP6 address. For the public IP information of the servers, you need to make settings for SERVER_ADDR and LOCAL_ADDR on your web server. For this, you may need to configure the config operations of your web server.
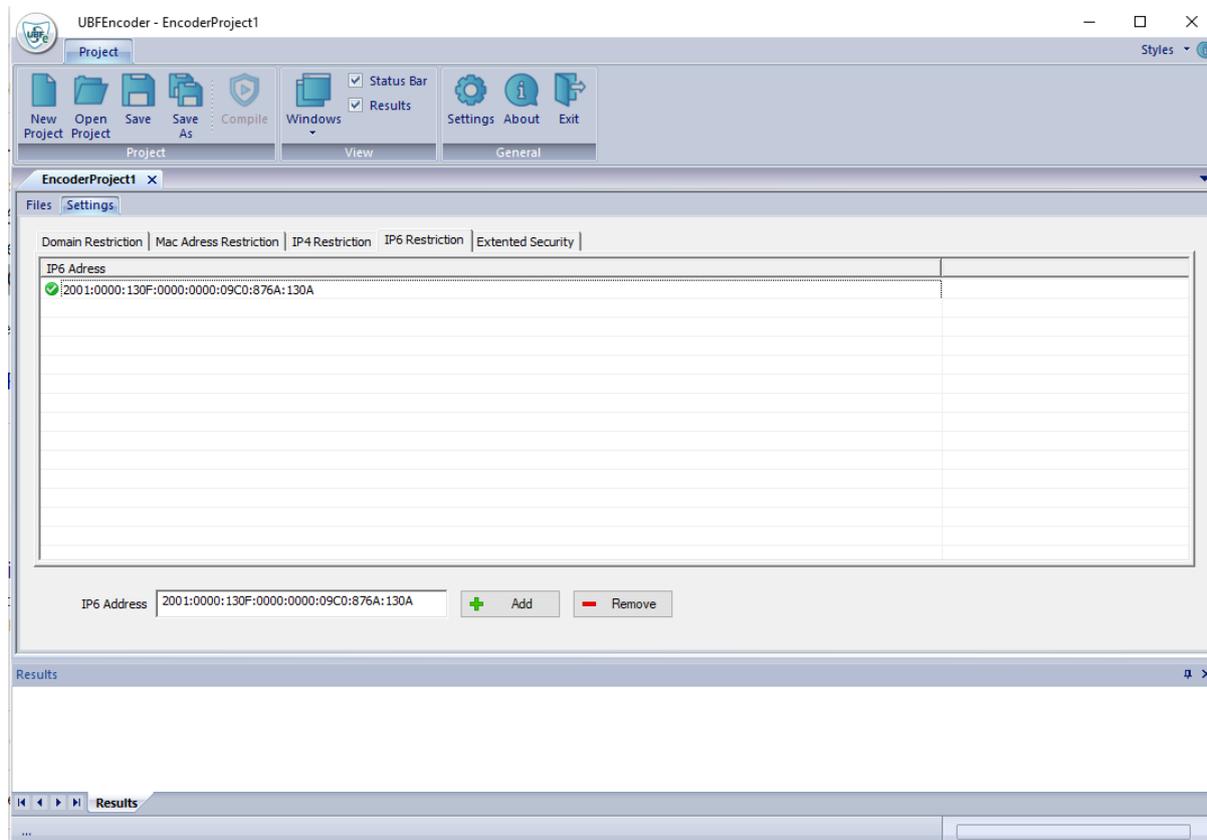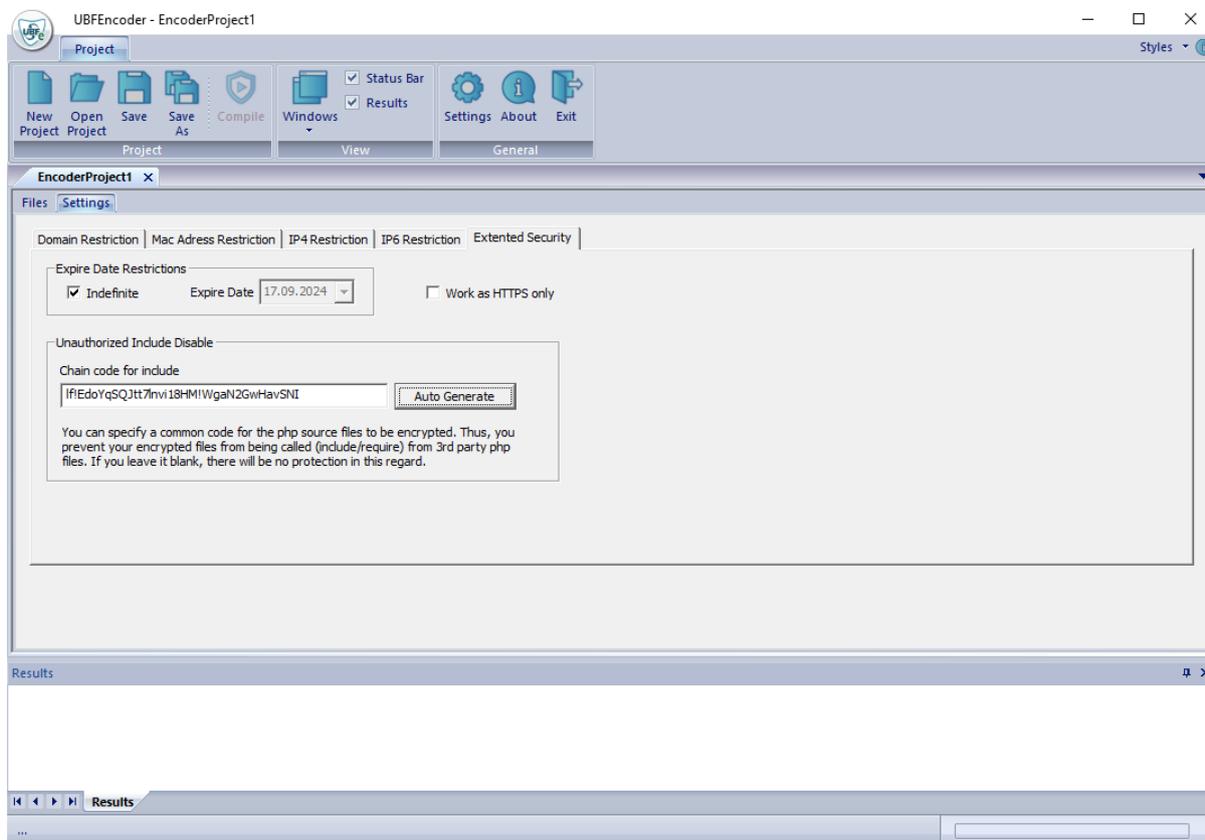

Note : For IP4 and IP6, you do not need to make any entries for local addresses such as 127.0.0.1 and ::1. There is no blocking in terms of local addresses.

Extented Security : In this section, it is possible to add some criteria in the encryption process. When you encrypt your php projects, you can make restrictions that apply to each php source file that makes up the project.

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Expire Date Restriction : You can enter a date for the php source files that make up your PHP project to run until a certain date. After that date, your encrypted php files will not work.

Work as HTTPS Only : This option will force encrypted php files to work only on HTTPS calls. HTTP/HTTPS will work either way when this option is not selected.

Unauthorized Include Disabled : While PHP source files are encrypted, they can sometimes be moved to other platforms and run there, even if they are encrypted. All PHP files that make up a project can use each other with include / require methods. This means that an encrypted PHP can be included in an unencrypted project. Your php source files that contain some tools and standard capabilities within your projects can be ported and used even if they are encrypted. By creating a key in the Chain code for Include field here, it protects the include chain. When the php source files that make up the entire project are encrypted and have a common key, each php file of the project is closed to independent work. In this way, you eliminate the chance of moving to another location or being used in other projects. It is recommended to use Auto Generate to generate a strong and unique key.